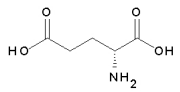

Formula: C5H9NO4

MW: 147.13

CAS: 6893-26-1

TNP NUMBER: TNP00584

MDL NUMBER: MFCD00063713

IUPAC: (2R)-2-aminopentanedioic acid

Smiles: OC(CC[C@H](C(O)=O)N)=O

D(-)-Glutamic acid 99+%

THERAPEUTIC CATEGORY: Exceptional Antiepileptic

SOURCE: Unnatural isomer of glutamic acid

ACCEPTORS: 4

DONORS: 4

ROTATION BONDS: 6

N+O: 5

Chiral Centers: 1

LogP: -1.6

LogS: -1.64

LIPINSKI: 4

Synonyms: (R)-GLUTAMIC ACID;(R)-2-AMINOGLUTARIC ACID;(R)-1-AMINOPROPANE-1,3-DICARBOXYLIC ACID;[R]-2-AMINOPENTANEDIOIC ACID;d-glutamic;d-glutamicaci;H-D-GLU-OH;GLUTAMIC ACID, D-

CAS:6893-26-1

MF:C5H9NO4

MW:147.13

EINECS:230-000-8

Product Categories:Amino ACIDS SERIES;Glutamic acid [Glu, E];Amino Acids and Derivatives;alpha-Amino Acids;Amino Acids;Biochemistry;for Resolution of Bases;Optical Resolution;Synthetic Organic Chemistry;Nutritional Supplements;Amino Acids;Glutamate receptor D(-)-Glutamic acid

Chemical Properties: mp 200-202 C (subl.)(lit.) alpha -31.3 (c=10, 2 N HCl) storage temp. Store at RT. Water Solubility 7 g/L (20 C) Merck 14,4469 BRN 1723800

CAS DataBase Reference: 6893-26-1(

CAS DataBase Reference:) NIST Chemistry ReferenceD-Glutamic acid(6893-26-1) EPA Substance Registry SystemD-Glutamic acid(6893-26-1) Xi Risk Statements 36/37/38 Safety Statements 24/25-36-26 WGK Germany 3 F 10   D-2-Aminoglutaric acid D(-)-Glutamic acid

Usage And Synthesis:

Chemical Properties: White cryst. powder Biological ActivityExcitatory amino acid acting at NMDA receptors; less active than the L-isomer. D(-)-Glutamic acid